

### **ABSTRACT OF THE DISCLOSURE**

In a processing system for an MRT apparatus, a user interface is presented that permits an operator to undertake a graphical measurement planning based on already-recorded, corrected MRT overview images, the correction having been carried out by the processing system on the basis of stored data accessible by the processing system relating to non-linearities of the gradient system of the MRT apparatus being used. The processor system, in the user interface, automatically graphically demarcates the area of the corrected MRT overview image in which a positioning of additional slices to be measured will lead to a deviation of the desired slices, from the actual slices in a subsequent scan from the area of the corrected MRT overview image in which a positioning of additional slices to be measured will not lead to such a deviation of the desired slices.

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